

## BATTERY CHARGER 120W



### FEATURES

- Single Phase Input
- High reliability
- Built In Transient protector & EMI filter
- Low ripple & noise
- Cooling by free air convection ( Internal Fan for 12V model with Automatic fan control )
- Short circuit protection auto recovery type
- Current Limit : Yes
- Indications LED: Input OK, Float, Boost, Battery Reverse
- Low cost
- Compact

**⚠ While Connecting Battery Keep Charger OFF.**

<b>INPUT</b>	230V AC, +/-15%, 47-63Hz						
<b>ISOLATION</b>	Input – Output : 1.5KVAC, 1 minute Input – Earth : 1.5KVAC, 1 minute Output – Earth : 500VAC, 1 minute						
<b>EFFICIENCY</b>	70 ~ 75%						
<b>INDICATIONS</b>	<b>MAINS ON</b>	Green LED	<b>FLOAT ON</b>	Green LED			
	<b>BOOST ON</b>	Red LED	<b>BATTERY REVERSE POLARITY</b>	Red LED			
<b>PROTECTIONS</b>	Short Circuit Auto Recovery Type Overload Protection Auto Recovery Type Battery Reverse Polarity						
<b>CHARGER ON RELAY</b>	1 C/O Contact Rated for 5A@230VAC/24VDC						
<b>BATTERY DRAIN DURING CHARGER OFF STATE</b>	< 20uA						
<b>OPERATING AMBIENT</b>	0 ~ 50°C, 95% RH		<b>STORAGE AMBIENT</b>	-20°C to 85°C			
<b>TERMINATIONS</b>	Screw type, for 2.5mm sq. wire						
<b>MOUNTING</b>	Wall Mount						
<b>WEIGHT ( MAX )</b>	880 grams						
<b>ORDERING INFORMATION</b>		<b>NOMINAL INPUT : 230VAC/DC</b>	<b>OUTPUT</b>		<b>RIPPLE &amp; NOISE</b>	<b>OVERVOLTAGE PROTECTION</b>	<b>DIMENSIONS (W x H x D) (mm)</b>
	<b>INPUT VOLTAGE</b>	<b>AC</b>					
	<b>INPUT RANGE</b>	180 ~ 270V					
	<b>IP FREQUENCY</b>	47 ~ 63Hz	<b>VOLTAGE</b>		<b>BOOST CURRENT</b>		
	<b>IP CURRENT (max)</b>	1.5A max	<b>FLOAT</b>	<b>BOOST</b>			
	<b>INRUSH CURRENT</b>	32A @230V					
	<b>ORDER CODE</b>	BCW-1210 (12V:10A)	13.20V	14.50V	10A	+/-1%	< 16V
BCW-2405 (24V:05A)		26.40V	29.50V	5A	+/-1%	< 32V	65 x 175 x 126 (Fig. 2)
BCW-3603 (36V:03A)		39.60V	43.60V	3.3A	+/-1%	< 45V	65 x 175 x 126 (Fig. 2)
BCW-4802 (48V:02A)		52.80V	58.50V	2.5A	+/-1%	< 63V	65 x 175 x 126 (Fig. 2)

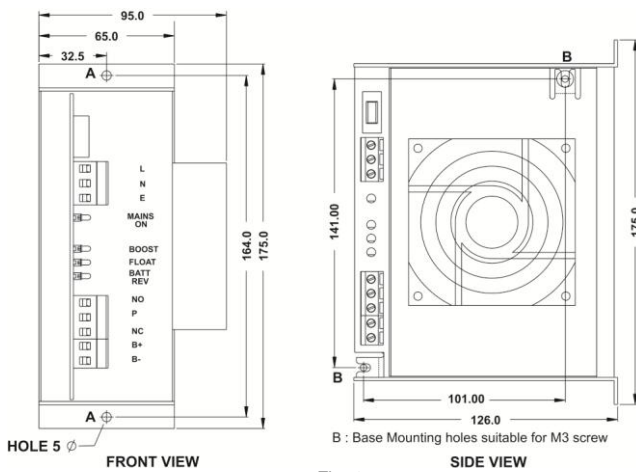


Fig. 1

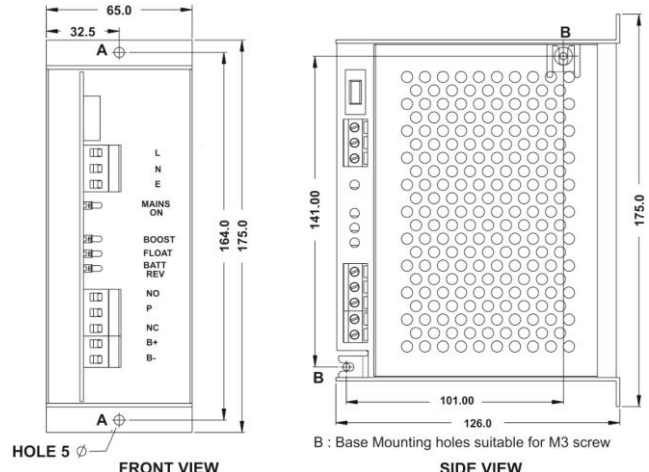


Fig. 2

Note : 1. All parameters measured at nominal input, rated load and 25°C of ambient temperature unless otherwise specified.  
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 100uf parallel capacitor.  
3. Ensure clearance of minimum 35mm from adjacent components for proper ventilation.